

Day : Sunday
Date: 9/22/2002
Time: 15:37:11

 **PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = HIRAO

First Name = HARUNORI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>09644354</u>	Not Issued	041	08/23/2000	METHOD FOR PREVENTING PLATE TYPE HEAT EXCHANGER FROM BLOCKAGE	HIRAO, HARUNORI
<u>09919024</u>	Not Issued	030	07/31/2001	METHOD FOR STARTING UP REACTOR	HIRAO, HARUNORI
<u>09724468</u>	Not Issued	041	11/29/2000	METHOD FOR PREVENTING EFFLUENT GAS PIPE FROM BLOCKING	HIRAO, HARUNORI
<u>09780787</u>	Not Issued	041	02/09/2001	METHOD FOR ABSORBING ACRYLIC ACID AND METHOD FOR PURIFYING ACRYLIC ACID	HIRAO, HARUNORI
<u>10211040</u>	Not Issued	019	08/02/2002	METHOD FOR ABSORBING ACRYLIC ACID AND METHOD FOR PURIFYING ACRYLIC ACID	HIRAO, HARUNORI

Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name
	<input type="text" value="hirao"/>	<input type="text" value="harunori"/>
	<input type="button" value="Search"/>	

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

WEST

[Help](#) [Logout](#) [Interrupt](#)

[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show S Numbers](#) [Edit S Numbers](#) [Preferences](#) [Cases](#)

Search Results -

Terms	Documents
explosi\$7 and (4111983.pn. or 4333858.pn. or 4410858.pn. or 4415752.pn.)	0

Database:

- US Patents Full-Text Database
- US Pre-Grant Publication Full-Text Database
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Search:

L13

[Refine Search](#)

[Recall Text](#)

[Clear](#)

Search History

DATE: Sunday, September 22, 2002 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L13</u>	explosi\$7 and (4111983.pn. or 4333858.pn. or 4410858.pn. or 4415752.pn.)	0	<u>L13</u>
<u>L12</u>	L11 and explosi\$7	4	<u>L12</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L11</u>	L10 and acrylic acid	5	<u>L11</u>
<u>L10</u>	L9 and oxidat\$9 reactor	9	<u>L10</u>
<u>L9</u>	L8 and shell and tube reactor	58	<u>L9</u>
<u>L8</u>	16	66744	<u>L8</u>
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L7</u>	L6 and shell\$2 tube \$2 reactor	0	<u>L7</u>
<u>L6</u>	560/\$ or 562/\$	79429	<u>L6</u>
<u>L5</u>	L4 and continuous	0	<u>L5</u>
<u>L4</u>	L3 and benzoyl chloride	2	<u>L4</u>
<u>L3</u>	L2 and benzotrichloride	2	<u>L3</u>
<u>L2</u>	L1 and pivalic acid	7	<u>L2</u>
<u>L1</u>	562/840 or 562/856 or 562/866 or 562/861 or 562/855	620	<u>L1</u>

END OF SEARCH HISTORY

WEST

Help

Logout

Interrupt

Main Menu

Search Form

Posting Counts

Show S Numbers

Edit S Numbers

Preferences

Cases

Search Results -

Terms	Documents
L9 and oxidat\$9 reactor	9

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L10

Refine Search

Recall Text

Clear

Search History

DATE: Sunday, September 22, 2002 [Printable Copy](#) [Create Case](#)

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT; PLUR=YES; OP=ADJ

<u>L10</u>	L9 and oxidat\$9 reactor	9	<u>L10</u>
<u>L9</u>	L8 and shell and tube reactor	58	<u>L9</u>
<u>L8</u>	16	66744	<u>L8</u>

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L7</u>	L6 and shell\$2 tube \$2 reactor	0	<u>L7</u>
<u>L6</u>	560/\$ or 562/\$	79429	<u>L6</u>
<u>L5</u>	L4 and continuous	0	<u>L5</u>
<u>L4</u>	L3 and benzoyl chloride	2	<u>L4</u>
<u>L3</u>	L2 and benzotrichloride	2	<u>L3</u>
<u>L2</u>	L1 and pivalic acid	7	<u>L2</u>
<u>L1</u>	562/840 or 562/856 or 562/866 or 562/861 or 562/855	620	<u>L1</u>

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 9 of 9 returned.**☐ 1. Document ID: US 6417376 B1

L10: Entry 1 of 9

File: USPT

Jul 9, 2002

US-PAT-NO: 6417376

DOCUMENT-IDENTIFIER: US 6417376 B1

TITLE: Selective oxidation process and catalyst therefor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 2. Document ID: US 6362367 B1

L10: Entry 2 of 9

File: USPT

Mar 26, 2002

US-PAT-NO: 6362367

DOCUMENT-IDENTIFIER: US 6362367 B1

TITLE: Preparation of organic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 3. Document ID: US 6274743 B1

L10: Entry 3 of 9

File: USPT

Aug 14, 2001

US-PAT-NO: 6274743

DOCUMENT-IDENTIFIER: US 6274743 B1

TITLE: Process for the preparation of butanediol, butyrolactone and tetrahydrofuran

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 4. Document ID: US 6239292 B1

L10: Entry 4 of 9

File: USPT

May 29, 2001

US-PAT-NO: 6239292

DOCUMENT-IDENTIFIER: US 6239292 B1

TITLE: Process for preparing gamma-butyrolactone, butane-1,4-diol and tetrahydrofuran

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 5. Document ID: US 6194588 B1

L10: Entry 5 of 9

File: USPT

Feb 27, 2001

US-PAT-NO: 6194588

DOCUMENT-IDENTIFIER: US 6194588 B1

TITLE: Method for production of maleic anhydride

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 6. Document ID: US 6118021 A

L10: Entry 6 of 9

File: USPT

Sep 12, 2000

US-PAT-NO: 6118021

DOCUMENT-IDENTIFIER: US 6118021 A

TITLE: Membrane process for argon purging from vinyl acetate reactors

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 7. Document ID: US 6100410 A

L10: Entry 7 of 9

File: USPT

Aug 8, 2000

US-PAT-NO: 6100410

DOCUMENT-IDENTIFIER: US 6100410 A

TITLE: Process for the production of 1,4-butanediol, .gamma.-butyrolactone and tetrahydrofuran

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 8. Document ID: US 6084125 A

L10: Entry 8 of 9

File: USPT

Jul 4, 2000

US-PAT-NO: 6084125

DOCUMENT-IDENTIFIER: US 6084125 A

TITLE: Process for producing aliphatic acids using a reactor system having a shell and a tube reactor configuration to force circulation of reaction liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 9. Document ID: US 4203906 A

L10: Entry 9 of 9

File: USPT

May 20, 1980

US-PAT-NO: 4203906

DOCUMENT-IDENTIFIER: US 4203906 A

TITLE: Process for catalytic vapor phase oxidation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

Generate Collection Print

Terms	Documents
L9 and oxidat\$9 reactor	9

Display Format: Change Format

[Previous Page](#) [Next Page](#)